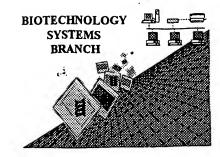
ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 10/002, 63/
ATTN: NEW RULES CASE	S: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFT
1Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
SVariable Length	Sequence(s) contain n's or Xaa's representing more than one residule. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in Patentin version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, Patentin would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
-3	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to Include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If Intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9 Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11Use of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of Patentln version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH - Biotechnology Systems Branch - 08/21/2001

0400

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

DATE: 12/11/2001

OIPE

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TIME: 12:13:46
                     PATENT APPLICATION: US/10/002,631
                                                                              pr 1-5
                     Input Set : A:\772USAPP.txt
                     Output Set: N:\CRF3\12112001\I002631.raw
                                                                          Does Not Comply
      3 <110> APPLICANT: GRAFF, JONATHAN M.
                                                                      Corrected Diskette Needed
              MUENSTER, MATTHEW
              ALLAN, DEBORAH
      7 <120> TITLE OF INVENTION: METHODS TO IDENTIFY SIGNAL SEQUENCES
      9 <130> FILE REFERENCE: UTSD:772US
€X-> 11 <140> CURRENT APPLICATION NUMBER: US/10/002,631
     12 <141> CURRENT FILING DATE: 2001-10-31
     14 <150> PRIOR APPLICATION NUMBER: 60/300,309
     15 <151> PRIOR FILING DATE: 2001-06-21
     19 <160> NUMBER OF SEQ ID NOS: 324
     21 <170> SOFTWARE: PatentIn Ver. 2.1
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     529 <211> LENGTH: 613
     530 <212> TYPE: DNA
     531 <213> ORGANISM: Homo sapiens
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     535 catcattaag geteegeeeg tecaagetat eeagategga gggagaetgt ggeegaggga 120
     536 gttcctgctc agttttggtc ttttttggtg cattggtctc ctcactttca ctctctgaga 180
     537 totoctcact cogacoctgo ttgttgacot ttggggtgga ggottoctot actogggoot 240
     538 tettggetgt etgeetggae tteteagett tgeeateaet getggaegtg etgaeeeete 300
     539 caggggagge ceggeeete gateteagtt etteeegggg ceeaggggee tetttettee 360
     540 gtccactcct cattgacatc gagtctttat tctgtcgtgt cttcattctt caggctgtgg 420
     541 agaccccatt ctcctctgcc tgggcagctg aatacagaaa cttctctgct ccaccccaag 480
                                                                                  item 9
On Error
Summary
     542 ttccccacag ctgtggtctg ggaagcagga tctccaagtt tccagtgtgg gcacctggaa 540
E--> 543 ctgctggtag ctcgggacgg ctggctggct (ncgaaccggg attccgggct tccggcgcct 600
     544 tctggggggg cgg
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     821 <211> LENGTH: 678
     822 <212> TYPE: DNA
     823 <213> ORGANISM: Homo sapiens
     825 <400> SEQUENCE: 25
     826 ggatcctgca cttatccagg ttaagatcta aataggctgt aagtttcttg ttaaagtcat 60
     827 gaacaatgtt ggcaggatca ctatctgcaa actctgggac aggcacactg ataaattcaa 120
     828 cttcttcttc ttcaaagatt ttaatatttt cttcaattgt ctggtagaga gcagctgggg 180
     829 catctgcaga gggctcattt aagatgacat catctttgat gtactttatt ccacagtagt 240
     830 acacgtcatc tggttgaagt gcaaaatatt tgtacaagta tgctcctcct agaataacac 300
     831 ctgcaagcat aaatgctagt ccaaagcaca tgcaccaaca ccaggctctt ctttggccaa 360
     832 ctggtaccac atcatctggg tccttgcagt ccaccgcgac ggcgtcgggg gggatgatga 420
     833 gcgcctcctc gccgctcttg ggctcgtcct tcttggcctc cttctgggcc agagcggagt 480
     834 tgaacgtcac cttcaccatg gcgcggcctg gggcgccctc gaagggcggc ggcggctcgg 540
E--> 835 ggcgcggctg cggctcccgg ctgcgattgc agcctctacg gncgggctcc gggagccggc 600
E--> 836 thegggegge tgaagaaggt egggaagett egeggeggea gaageggeta etgegggteg 660
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RAW SEQUENCE LISTING

file://C:\Crf3\Outhold\VsrI002631.htm

RAW SEQUENCE LISTING DATE: 12/11/2001 PATENT APPLICATION: US/10/002,631 TIME: 12:13:46

Input Set : A:\772USAPP.txt

Output Set: N:\CRF3\12112001\1002631.raw

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     1499 <211> LENGTH: 607
     1500 <212> TYPE: DNA
     1501 <213> ORGANISM: Homo sapiens
     1503 <400> SEQUENCE: 41
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     1505 ccatggaaga gcccacatga atccaggtct actttccttt acaggtagat tccagaacaa 120
     1506 caacaaaaa tgtaagacta caagaaatga tttaatatga taaaactccc atttcaaaac 180
E--> 1507 ccagttctaa aggattta(n) tgactaatgc ntgattattt agtcatggaa aatgtctctc 240
     1508 ataaaagtgc tcctaacaaa acatgatcta caataattta taaaatgtga agggttggga 300
     1509 tgtgcagact gattggtgca cgtcaggttg tttctcttaa ataaggtata aaaaactatg 360
     1510 atatcatagt ctttcgactt tattttctga gataaaaaag tataggcata ggtgttttta 420
     1511 atagtettet tgatgatate etttagaata atetateaaa tggettettt catgttteet 480
     1512 gattatcagc attcatcagt gttactgtca gccttgatta agtggttgaa aatttcagag 540
     1513 aagaataagc aacttctgtg aacctttccc caatccctga gaatcatgtc gacgcggccg 600
     1514 cgaattc
                                                                              607
     1761 <210> SEQ ID NO: 50
     1762 <211> LENGTH: 167
     1763 <212> TYPE: PRT
     1764 <213> ORGANISM: Homo sapiens
     1766 <400> SEQUENCE: 50
     1767 Asn Ser Arg Pro Arg Arg Gln Arg Val Tyr Thr Thr Leu Thr Arg Leu
                                                10
     1770 Gln Val Tyr Ser Arg Arg Lys Ser Phe Leu Thr Lys Lys Leu Glu Leu
     1771
                                            25
     1773 Gln Met Arg Trp Ser Leu Leu Asp Gln Ile Leu His Ile Asp Phe Ser
     1774
                   35
                                        40
     1776 Thr Cys Pro Ser Ser Val Gln Gly Trp Leu Ala Ala Gln His Thr Pro
               50
                                   55
     1779 Pro Pro Leu Phe Ser Phe Leu Ala Val Tyr Ser Glu Asn Cys Leu Tyr
                               70
     1782 Cys Ile Phe Val Leu Trp Cys Asn Lys His Asp Gly Ala Phe Tyr Tyr
     1783
E--> 1785 Ile Ile Pro Val Leu Leu Val Ile Leu Tyr (Xaa #yr Ser Val Ile Ala
     1786
                      100
                                           105
     1788 Val Leu Gln Ser Gln Thr Ala Ala Lys Cys Lys Ile Ile Glu Met Tyr
                                      120
     1791 Lys Asn Cys Ser Ile Phe Lys Ile Ser Lys Met Asp His Ile Ile Tyr
              130
                                  135
     1794 Leu Val Leu Gln Leu Thr Thr Leu Cys Ser Leu Trp Glu Gly Gly Ser
     1795 145
                              150
                                                  155
                                                                       160
     1797 Pro Val Cys Leu Trp Gly Ser
     1798
     2174 <210> SEQ ID NO: 63
     2175 <211> LENGTH: 392
     2176 <212> TYPE: DNA
    2177 <213> ORGANISM: Homo sapiens
     2179 <400> SEQUENCE: 63
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DATE: 12/11/2001

TIME: 12:13:46

Input Set : A:\772USAPP.txt Output Set: N:\CRF3\12112001\1002631.raw 2180 ggatccgagt gctgatttgt acattgattc aggggagtaa ttggggagaa ggaaaaaggt 60 2181 ggggtggaat gctggctcgg ccctgccagt cacatgggtg gcagcagggc agctcagagg 120 2182 ttgcctgaag agttcgtttt tcttgctcca gtccatctgc aggggcccgt ttgctgctgc 180 2183 gtttctggtg ggccctctct ttggccatgg ccagggagat gttgaagtct aggatggggt 240 Dattem9 E--> 2184 cggaggagga ggtagacgag ggcgctgtgg agtcctgttt tggggggctg tcttggmaat 300 2185 teageteete getggtgtea etggaggegg ateteaceag ggetggeetg gggeteteea 360 2186 aggetgeete tggtegaege ggeegegaat te 392 2189 <210> SEQ ID NO: 64 2190 <211> LENGTH: 127 2191 <212> TYPE: PRT 2192 <213> ORGANISM: Homo sapiens 2194 <400> SEQUENCE: 64 2195 Ile Arg Gly Arg Val Asp Gln Arg Gln Pro Trp Arg Ala Pro Gly Gln 2196 10 E--> 2198 Pro Trp Asp Pro Pro Pro Val Thr Pro Ala Arg Ser Ile (Xaa Lys Thr Alem 4 20 2201 Ala Pro Gln Asn Arg Thr Pro Gln Arg Pro Arg Leu Pro Pro Pro Pro 35 2204 Thr Pro Ser Thr Ser Thr Ser Pro Trp Pro Trp Pro Lys Arg Gly Pro 2205 55 2207 Thr Arg Asn Ala Ala Ala Asn Gly Pro Leu Gln Met Asp Trp Ser Lys 2208 65 70 2210 Lys Asn Glu Leu Phe Arg Gln Pro Leu Ser Cys Pro Ala Ala Thr His 85 90 2213 Val Thr Gly Arg Ala Glu Pro Ala Phe His Pro Thr Phe Phe Leu Leu 2214 100 105 2216 Pro Asn Tyr Ser Pro Glu Ser Met Tyr Lys Ser Ala Leu Gly Ser 2217 115 120 2475 <210> SEQ ID NO: 73 2476 <211> LENGTH: 747 2477 <212> TYPE: DNA 2478 <213> ORGANISM: Homo sapiens 2480 <400> SEQUENCE: 73 2481 ggatcctgtt gcttcaaaag tcaattttat agaatcccaa ggtgtctgtt ctttggatat 60 2482 gagteggaaa tgaggaggat ttettggaga aaettetggg geaggaagat accagttttt 120 E--> 2483 cctgatcaga aagtgcacht ggaagatacc aaggaaaacc acaaagaggt gcattctcct 180 2484 cacagtgage teggatacta teattgatet caggaatgtg aggggttatg tgagaaatte 240 2485 cagtataatc aaacccattg atccatattc cagagtcccg tttaactgca tttccttcca 300 2486 agtcatggaa tgttctagtc atatgctgaa gaaacactct ctttggcttc ggattagcag 360 2487 gattggagct atatggaaaa aatgttccac tgcaaacaag qaggaatgta attgcacata 420 2488 ccaaagttaa agttagcatg gttttttttg tgctcttggc aaggtagatg aagttaatca 480 2489 tgtaataaaa tcttttcgca agagtatgta taagtattat tttggctaca gttgcagttc 540 2490 catacagaca aacggagacc atagaagtgg ttataccatg agagagactg tccaataaga 600 2491 gagatgaaca ctgctataat gagaacggta acaaggctag tgaaccagct gatcaaagtg 660 2492 atgccaagtc cacacaagaa gtccttcttg tagttaccag tcttatgttt gggctgcaaa 720 2493 aattttttgc ccaggtacaa aacaaca 747 2496 <210> SEQ ID NO: 74 2497 <211> LENGTH: 238 2498 <212> TYPE: PRT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/002,631

RAW SEQUENCE LISTING DATE: 12/11/2001 PATENT APPLICATION: US/10/002,631 TIME: 12:13:46

Input Set : A:\772USAPP.txt

Output Set: N:\CRF3\12112001\I002631.raw

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     2501 <400> SEQUENCE: 74
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     2503
           1
     2505 Leu Gln Glu Gly Leu Leu Val Trp Thr Trp His His Phe Asp Gln Leu
     2506
     2508 Val His Pro Cys Tyr Arg Ser His Tyr Ser Ser Val His Leu Ser Tyr
     2511 Trp Thr Val Ser Leu Met Val Pro Leu Leu Trp Ser Pro Phe Val Cys
                                   55
     2514 Met Glu Leu Gln Leu Pro Lys Tyr Leu Tyr Ile Leu Leu Arg Lys Asp
     2517 Phe Ile Thr Leu Thr Ser Ser Thr Leu Pro Arg Ala Gln Lys Lys Pro
                           85
                                                90
     2520 Cys Leu Leu Trp Tyr Val Gln Leu His Ser Ser Leu Phe Ala Val Glu
                      100
     2523 His Phe Phe His Ile Ala Pro Ile Leu Leu Ile Arg Ser Gln Arg Glu
     2524
                                      120
     2526 Cys Phe Phe Ser Ile Leu Glu His Ser Met Thr Trp Lys Glu Met Gln
     2527
              130
                                  135
                                                       140
     2529 Leu Asn Gly Thr Leu Glu Tyr Gly Ser Met Gly Leu Ile Ile Leu Glu
                              150
                                                   155
     2532 Phe Leu Thr Pro Leu Thr Phe Leu Arg Ser Met Ile Val Ser Glu Leu
                          165
                                               170
                                                                   175
E--> 2535 Thr Val Arg Arg Met His Leu Phe Val Val Phe Leu Gly Ile Phe (Xaa
                                          185
                      180
     2538 Val His Phe Leu Ile Arg Lys Asn Trp Tyr Leu Pro Ala Pro Glu Val
     2539
                  195
                                      200
                                                           205
     2541 Ser Pro Arg Asn Pro Pro His Phe Arg Leu Ile Ser Lys Glu Gln Thr
     2544 Pro Trp Asp Ser Ile Lys Leu Thr Phe Glu Ala Thr Gly Ser
     2545 225
                              230
                                                   235
     3047 <210> SEQ ID NO: 89
     3048 <211> LENGTH: 558
     3049 <212> TYPE: DNA
     3050 <213> ORGANISM: Homo sapiens
     3052 <400> SEQUENCE: 89
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     3054 gtctgtgctg tccagtttct ccgacaactt tctcttcagg tcatcccaat ataagcgacg 120
     3055 tgctgcaggg aagtectete etggeteete eetcaetgga gaeteggtte etgecagtet 180
     3056 ctcacactca gtttttggtt ctaccccttt acaatagccc aagtagccaa tcataaatcc 240
     3057 aatgaagaaa aagacgatca cagcaatagt cccatagcag atacttccac tacacctttt 300
E--> 3058 tggn tttgtg acattggcct ttgtgttatt gtcagcattt tcttcttcat ctacagcaag 360
E--> 3059 tttcatctnc acatgactgt tatcgccatc tacttgccga gccaggctga accgggtata 420
     3060 tgacaatggt tetecaceaa acaagttaga gaatgetgat etagettgat eeateattet 480
E--> 3061 gaactgccac acagaagaca ctagegegte ctinegteeeg ageegeacee gatateeegt 540
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     4718 <210> SEQ ID NO: 138
     4719 <211> LENGTH: 358
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/002,631

DATE: 12/11/2001 TIME: 12:13:47

Input Set : A:\772USAPP.txt

Output Set: N:\CRF3\12112001\I002631.raw

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     4721 <213> ORGANISM: Mus musculus
     4723 <400> SEQUENCE: 138
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     4725 ttcggcctct tgctcctggc tattttggcc ttttgctggg tctacgttcg gaagtaccag 120
     4726 agtcagcggg aaagtgaggt cgtctccact gtgacagcca tttttcact ggctgttgct 180
     4727 ctgatcacat cagcactgct gccggtggat atatttttgg tttcttacat gaaaaatcaa 240
     4728 aatggcacat tcaaggactg ggctgacgcc aatgtcaccg tacagattga gaataccgtt 300
     4729 ctgtatggct actatactct gtattctgtc attctcttct gtgtgttctt ctggatcc
     8037 <210> SEQ ID NO: 254
     8038 <211> LENGTH: 209
     8039 <212> TYPE: PRT
     8040 <213> ORGANISM: Mus musculus
     8042 <400> SEQUENCE: 254
     8043 Val Ser Ser Val Asp Leu His Ala Pro Thr Ser Ile Ser Phe Ile Glu
E--> 8046 Glu Tyr Thr Ser Ser Asp Phe Tyr Leu Gly
                                                  (Xaa )Phe Leu Arg Val Arg
     8049 Val Val Thr Gly Arg Arg Ser Gly Cys Asp Lys Gly Asp Cys Trp Ser
     8052 Ser Ser Tyr Ser Cys Pro Lys Lys Leu Met Thr Thr Met Cys His Ile
     8053
               50
     8055 Thr Leu Gly Phe Ser Glu Thr Phe Glu Val Asn Ser Asn Leu Pro Asn
     8058 Arg Leu Trp Ile Arg Asp Phe Lys Ser Val Ser Tyr Tyr Phe Cys Val
                                               90
    8061 Leu Met Ser Phe Gln Cys Ile Phe Cys Glu Leu Pro Leu Gln Ser Thr
     8062
                      100
                                          105
    8064 Val Thr Glu Tyr Leu Arg Asp Arg Val Pro Gln Ser Thr Leu Val Thr
    8065
                  115
                                      120
    8067 Glu Tyr Pro Arg Asp Ser Thr Ser Val Thr Glu Tyr Pro Ser Asp Arg
                                  135
    8070 Pro Gln Val Thr Leu Gln Val Thr Leu Val Thr Leu Leu Cys Tyr Leu
                                                  155
    8073 Arg Asn Ser Ser Val Leu His Val Phe Lys Val Lys Asn Cys Ser Arg
    8074
                         165
                                              170
    8076 Asn Leu His Asn Asp Leu His Arg Leu Ala Pro Ile Phe Val Leu Phe
                     180
                                          185
    8079 Leu Cys Cys Leu Phe Glu Arg Ser Phe Leu Leu His Arg Gln Ser Gly
    8080
                                     200
    8082 Ser
```

FYST

Use of n and/or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/002,631
DATE: 12/11/2001
TIME: 12:13:49

Input Set : A:\772USAPP.txt

Output Set: N:\CRF3\12112001\I002631.raw

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 L\!:\!49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
 L:50~M:341~W:~(46) "n" or "Xaa" used, for SEQ ID#:1
 L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
 L\!:\!52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
 L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
 L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
 L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
 L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
 L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
 L:82 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
 L:309 \ M:341 \ W: (46) "n" or "Xaa" used, for SEQ ID#:9
 L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L\!:\!311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L\colon\!325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 L:453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L\!:\!467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L\!:\!470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:479 \text{ M}:341 \text{ W}: (46) \text{ "n" or "Xaa" used, for SEQ ID#:}14
L:482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:543~\text{M}:340~\text{E}:~(46) "n" or "Xaa" used: Feature required, for SEQ ID#:15
L:652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:654 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:671 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:674 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:683 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
```

VERIFICATION SUMMARY

DATE: 12/11/2001 PATENT APPLICATION: US/10/002,631 TIME: 12:13:49

Input Set : A:\772USAPP.txt

Output Set: N:\CRF3\12112001\1002631.raw

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L:835 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:25
M:340 Repeated in SeqNo=25
L\!:\!854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L\!:\!915 M\!:\!341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:1507 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:41 <
L:1785\ M:340\ E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:50 -
L:2184 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:63.
L:2198 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:64.
L:2483 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:73.
L:2535 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:74
L:3058 \ M:340 \ E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:89 -
M:340 Repeated in SeqNo=89
L:4724 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:138
L:8046 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:254
```